



# How to Replace the Fan Blade Assembly on the Utilitech SFC-1 500B 20 " High Velocity Floor Fan

This guide demonstrates how to remove and replace the fan blade on a Utilitech SFC-1 500B 20 " High Velocity Floor Fan.

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## INTRODUCTION

The purpose of this technical description is to explore the Utilitech SFC1-500B 20" High Velocity Floor Fan at the system-level, then discuss the important parts directly related to using the device. This description will give the user a basic idea of fan's design and operation so as to become more proficient in its use.



### TOOLS:

- [Phillips #2 Screwdriver](#) (1)
- [8mm Nut Driver](#) (1)
- [Magnetic Project Mat](#) (1)




### PARTS:

- [Replacement fan-blade assembly \(purchased directly from Utilitech\)](#) (1)

## Step 1 — How to Replace the Fan Blade Assembly on the Utilitech SFC-1 500B 20 " High Velocity Floor Fan



 **WARNING:** Unplug fan prior to repair.

- Remove the screws securing the fan cover, using a #2 Phillips-head screwdriver.

## Step 2



- Remove the fan cover.

### Step 3



- Remove the screws holding plastic wire cover, using a #2 Phillips-head screwdriver.
- ① Recommended: It is recommended that you use the flexible screwdriver shaft attachment, found in iFixit tool kit.
- If above attachment is unavailable, use a crescent wrench or pliers to grip screwdriver for additional torque, if required.

### Step 4



- Remove the earth (green) wire, attached to the motor housing.



## Step 5



- Remove the nuts and bolts securing the motor to the back cover of the fan, using a #2 phillips-head screwdriver and an 8mm socket driver.

## Step 6



- Remove the power cord from the back cover, by sliding the wire off of the two metal rails holding it to the back motor cover.

## Step 7



- Remove the motor from the back of the fan cover.

## Step 8



- Congratulations, the fan is fully disassembled. From this point replace the damaged parts.

To reassemble your device, follow these instructions in reverse order.

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